Karnit

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

g-rues

BIOTECHNOLOGY SYSTEMS

BRANCE

Application Serial Number:	09/978,333A
Source:	Olke,
Date Processed by STIC:	3/6/2002
•	• /

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<a href="http://www.uspto.gov/ebc/efs/downloads/documents.htm">http://www.uspto.gov/ebc/efs/downloads/documents.htm</a>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- Hand Carry directly to:
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
  - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- 4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 09/978,333 A
ATTN: NEW RULES CASES	s: Please disregard english "Alpha" headers, which were inserted by Pto Software
1Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s)contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing.  Per 1.823 of Sequence Rules, use of <220> <223> is MANDATORY if n's or Xaa's are present.  In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11Use of <220>	Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
Patentin 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH - Biotechnology Systems Branch - 08/21/2001



OIPE

## Does Not Comply Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/978,333A

DATE: 03/06/2002 TIME: 10:13:11

Errors on pp. 2+3

Input Set : A:\yu132-SEQ.ST25.txt

Output Set: N:\CRF3\03062002\I978333A.raw

3 <110> APPLICANT: Glazer, Peter M. 5 <120> TITLE OF INVENTION: Triple-Helix forming Oligonucleotides for Targeted Mutagenesis 7 <130> FILE REFERENCE: YU 132 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/978,333A C--> 9 <141> CURRENT FILING DATE: 2001-10-15 9 <150> PRIOR APPLICATION NUMBER: US 09/411,291 10 <151> PRIOR FILING DATE: 1999-10-04 12 <150> PRIOR APPLICATION NUMBER: US 08/476,712 13 <151> PRIOR FILING DATE: 1995-06-07 15 <160> NUMBER OF SEQ ID NOS: 9 17 <170> SOFTWARE: PatentIn version 3.1 19 <210> SEQ ID NO: 1 20 <211> LENGTH: 10 21 <212> TYPE: DNA 22 <213> ORGANISM: Artificial Sequence 24 <220> FEATURE: 25 <223> OTHER INFORMATION: Oligonucleotide AG10 27 <400> SEQUENCE: 1 10 28 aggaaggggg 31 <210> SEQ ID NO: 2 32 <211> LENGTH: 20 33 <212> TYPE: DNA 34 <213> ORGANISM: Artificial Sequence

37 <223> OTHER INFORMATION: Oligonucleotide AG20 39 <400> SEQUENCE: 2

36 <220> FEATURE:

40 aggaagggg gggtggtggg

43 <210> SEQ ID NO: 3 44 <211> LENGTH: 30

45 <212> TYPE: DNA

46 <213> ORGANISM: Artificial Sequence 48 <220> FEATURE:

49 <223> OTHER INFORMATION: Oligonucleotide AG30

51 <400> SEQUENCE: 3

52 aggaagggg gggtggtggg ggagggggag

55 <210> SEQ ID NO: 4

56 <211> LENGTH: 30

57 <212> TYPE: DNA

58 <213> ORGANISM: Artificial Sequence

60 <220> FEATURE:

61 <223> OTHER INFORMATION: Oligonucleotide Mix30

63 <400> SEQUENCE: 4

64 agtcagtcag tcagtcagtc agtcagtcag

30

20

30

RAW SEQUENCE LISTING DATE: 03/06/2002 PATENT APPLICATION: US/09/978,333A TIME: 10:13:11

Input Set : A:\yu132-SEQ.ST25.txt

Output Set: N:\CRF3\03062002\1978333A.raw

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68 <211> LENGTH: 30
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Triplex target site in supFG1
75 <400> SEQUENCE: 5
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76 teetteece eccaccacc ceteceete
79 <210> SEQ ID NO: 6
80 <211> LENGTH: 124
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: supFG1 partial sequence
87 <400> SEQUENCE: 6
                                                                          60
88 gaattegaga geeetgeteg agetgtggtg gggtteeega geggeeaaag ggageagaet
90 ctaaatctgc cgtcatcgac ttcgaaggtt cgaatcette cccccccacc accccctccc
                                                                         120
                                                                         124
92 cctc
95 <210> SEQ ID NO: 7
96 <211> LENGTH: 30
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Oligonucleotide SCR30
103 <400> SEQUENCE: 7
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104 ggaggagtgg aggggagtga gggggggggg
107 <210> SEQ ID NO: 8
108 <211> LENGTH: 40
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: (A) donor fragment
115 <400> SEQUENCE: 8
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116 agggagcaga ctctaaatct gccgtcatcg acttcgaagg
119 <210> SEQ ID NO: 9
120 <211> LENGTH: 77
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: A-AG30
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <222> LOCATION: (41)..(41)--
130 <223> OTHER INFORMATION: (9-atom polyethylene glycol linker
133 <220> FEATURE:
134 <221> NAME/KEY: misc_feature
                                                                     jour ena
135 <222> LOCATION: (44)..(44)
136 <223> OTHER INFORMATION: 9-atom polyethylene glycol linker
139 <220> FEATURE:
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RAW SEQUENCE LISTING

DATE: 03/06/2002

PATENT APPLICATION: US/09/978,333A

TIME: 10:13:11

Input Set : A:\yu132-SEQ.ST25.txt

Output Set: N:\CRF3\03062002\1978333A.raw

140 <221> NAME/KEY: misc\_feature

141 <222> LOCATION: (47)..(47)

142 <223> OTHER INFORMATION: (9-atom polyethylene glycol linker

145 <400> SEQUENCE: 9

W--> 146 agggagcaga ctctaaatct gccgtcatcg acttcgaagg nttnttnagg aaggggggg

148 tggtggggga gggggag

60

- Bre ever

77

VERIFICATION SUMMARY

DATE: 03/06/2002 TIME: 10:13:12 '

PATENT APPLICATION: US/09/978,333A

Input Set : A:\yu132-SEQ.ST25.txt Output Set: N:\CRF3\03062002\1978333A.raw

L:9 M;270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0